14. A piezotransformer that is divided into an input region and an output region, wherein the input region is subdivided into a first section (13) and a second section (14), wherein the first section (13) and the second section (14) are longitudinally polarized, the polarization of the first section (13) being inverse to the polarization of the second section (14), the piezotransformer including:

(i) a first electrode (5) situated adjacent the first section (13) and remote from both the second section (14) and the output region;

(ii) a second electrode (6) situated between the first section (13) and the second section (14), the second electrode (6) being connected to a first input terminal (2); and

(iii) a third electrode (7) situated adjacent the second section (14), remote from the first section (13), and adjoining the output region, the third electrode (7) being connected to the first electrode (5) and to a second input terminal (1).

15. The piezotransformer as claimed in claim 14, characterized in that the sections (13, 14, 212, 213, 214, 215) of the input region have the same dimensions in the longitudinal direction.

16. The piezotransformer as claimed in claim 1, characterized in that the piezotransformer has the shape of one of: (i) a cuboid; (ii) a disk; (iii) a ring; (iv) a cylinder; and (v) a tube.

17. A piezotransformer that is divided into an input region and an output region, wherein the input region is subdivided into a first section (512) and a second section (513), the first section (512) and the second section (513) being transversely polarized, the first section (512) and the second section (513) each having an upper electrode (505, 507) and a lower electrode (506, 508), wherein:

(i) the upper electrode (505) of the first section (512) is connected to the lower electrode (508) of the second section (513) and to a first input terminal (501); and

(ii) the lower electrode (506) of the first section (512) is connected to the upper electrode (507) of the second section (513) and to a second input terminal (502).

18. The piezotransformer of claim 17, wherein application of a given voltage between the first and second input terminals (501,502) generates:

(i) in the first section (512), an electric field that points in the direction of polarization of the first section (512); and

(ii) in the second section (513), an electric field that points counter to the direction of polarization of the second section (513).